etalbond-d2®

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composite material	Technical Data She

PANEL THICKNESS:		2mm	3mm	4mm	6mm	
Aluminium layer thickness mm			0.20			
Panel Weight	[Kg/m²]	2. 6 3.5 4.4 6.2				
PANEL TOLERANCES						
Panel thickness	±0.2					
Panel width	mm	-0.00 / +4.00				
Panel length		≤ 4000 mm : -0.0 / +4				
	mm	4001 -6000 mm: -0.0 / +6				
Diagonal difference	100 100	6001- 8000 mm: -0.0 / +10				
Diagonal difference TECHNICAL PROPERTIES	mm	3.00 mm				
Alloy/Temper of Aluminium cover sheet		TNI ANA	/ 240E/H/// or /	1116/414		
Modulus of Elasticity E	[N/mm²]	EN AW- 3105/H44 or 4116/H44 70000				
Tensile strength of Al. cover sheets Rm	[N/mm²]	150-200				
0.2% Proof stress Rp _{0.2}	[N/mm²]	130-200 120 min				
Elongation %	[14/111111]	120 min A 50≥ 3%				
Linear Thermal Expansion		2.4 mm/m for Temperature difference of 100° C				
CORE:		2.4 11111/111 101 1011	perature uniterer	100 01 100 0		
Density of Polyethylene, Type LDPE	0.92					
Bottony of Folyoutylotto, Typo EBT E	[g/cm3]		0.02			
SURFACE PREPARATION and PAINT CHARACTERIS	STICS					
Visible Surface Preparation:		Pre-treatment of Aluminium:				
		1 st Degreasing				
		2 nd Passivation				
Lacquering	Coil Coating					
Upper Surface/ Lower Surface	Modified Polyester suitable for digital printing - System					
 Gloss 		Semi gloss Target 35 %, Tolerances according to				
		EN 1396				
		High gloss	High gloss Target >80% Tolerances according to EN			
		1396				
 Pencil Hardness 	Min H					
Paint Thickness	18±3 µm					
TEMPERATURE BEHAVIOUR						
Operational temperature range		Fron	n -50° C to	+80° C		
SURFACE QUALITY						
Dents, marks, hits, grooves, stains etc.		Acceptable when not visible at a distance ≥1 m at an angle of				
		90°				
PROTECTIVE FILM						
Transparent unprinted with special adhesive suita	hle for digital	An area of 5 mm ma	y from each add	ra might ha	uithaut	
printing / No UV protection	bic for digital	protective film	ix, iroini eacii eu	ge mignit be i	without	

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^{**}Material before use should be stored inside away from direct sunlight.

***It is advisable to remove the protective film within 6 months after goods receipt. Beyond this period there is a possibility that the protective film might leave remnants of adhesive on the surface